

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1491	380/277	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 19:13
S2	2	LAIN-ANTONIO.in. TAYLOR-RICHARD.in. TOFTS-CHRISTOPHER.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 19:15
S3	159	LAIN-ANTONIO.in. TAYLOR-RICHARD.in. TOFTS-CHRISTOPHER.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 19:15
S4	99	S3 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 19:41
S5	8	"6236971".pn. "20020031230" "6301658".pn. "6397329".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 19:29
S6	20	((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/03/25 19:52
S7	10	S6 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 19:59

## EAST Search History

S8	395	((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:54
S9	10	( ((Revok\$4 or Revocat\$5) with Key\$2).ti. or ((Revok\$4 or Revocat\$5) with Key\$2).ab. ) ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 19:58
S10	5	S9 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:48

## EAST Search History

S11	49	("4200770"   "4218582"   "4309569"   "4326098"   "4881264"   "4926480"   "4943707"   "5003597"   "5016274"   "5136646"   "5136647"   "5157726"   "5231666"   "5261002"   "5315657"   "5340969"   "5396624"   "5420927"   "5432852"   "5434919"   "5450493"   "5497422"   "5537475"   "5544322"   "5551027"   "5604804"   "5606617"   "5610982"   "5615268"   "5659616"   "5677955"   "5687235"   "5699431"   "5717757"   "5717758"   "5748738"   "5774552"   "5826262"   "Re34954").PN. OR ("6097811"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/25 20:02
S12	49	S11 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:11
S13	20	S1 ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:20
S14	7	S13 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:24

## EAST Search History

S15	0	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/03/25 20:22
S16	7	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/03/25 20:25
S17	4	S16 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:28
S18	104	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:18

## EAST Search History

S19	17	S1 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:42
S20	11	S19 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 20:42
S21	16	("20020090090"   "20040202328"   "5241597"   "5675649"   "5748736"   "5812670"   "6084969"   "6098056"   "6138119"   "6222923"   "6247127"   "6285991"   "6397329"   "6560340"   "6629243"   "6684331").PN. OR ("7039803").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/25 20:32
S22	15	S21 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:09

## EAST Search History

S23	1	S22 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:08
S24	11	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$).did.	US-PGPUB; USPAT	AND	ON	2007/03/25 20:43
S25	7	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/03/25 21:11
S26	4	S25 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:12
S27	225	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4) ) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:11

## EAST Search History

S28	23	S1 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4) ) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:11
S29	14	S28 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:15
S30	49140	"705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:17
S31	6	S30 S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:17
S32	5	S31 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:20
S33	20	S30 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:34

## EAST Search History

S34	16	S33 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:25
S35	96771	"726".clas. or "713".clas. or "380". clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 21:24
S36	5	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:25
S37	5	S36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:28
S38	3	S37 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:48
S39	4	S36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:28
S40	3	S39 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:29
S41	1	S36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:29



## EAST Search History

S42	5	S36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:28
S43	3	S42 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:30
S44	4	S35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:32
S45	2	S44 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:35
S46	4	S35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:32
S47	93	S35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:35

## EAST Search History

S48	55	S47 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:36
S49	24	S35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:46
S50	18	S49 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:36
S51	17	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-6789068-\$ or US-7010125-\$ or US-6775782-\$ or US-6487658-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/25 21:37
S52	5	S50 S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:39

## EAST Search History

S53	5	S51 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:39
S54	13	S50 not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:39
S55	1237	S35 ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:47
S56	27	S35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (Cost\$3 or Economic\$4 or Commerc\$4 or pay) same (Group\$4 or Categor\$4 or Type or Class\$2) same (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) ) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:47
S57	13	S56 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/25 21:49

## EAST Search History

S58	20	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-6789068-\$ or US-7010125-\$ or US-6775782-\$ or US-6487658-\$ or US-6044462-\$). did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/25 21:52
S59	6	S58 ((Revok\$4 or Revocat\$5) Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:03
S60	38	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) ) ((Revok\$4 or Revocat\$5) Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:44
S61	9	S60 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:16

## EAST Search History

S62	2	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) same (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) same (Invalidat\$5 or Ineligib\$4 or Policy\$4) same (Group\$4 or Categor\$4 or Type or Class\$2) ) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:51
S63	0	S62 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:57
S64	0	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) same (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) same (Invalidat\$5 or Ineligib\$4 or Policy\$4) same (Group\$4 or Categor\$4 or Type or Class\$2) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/03/26 15:50
S65	85	((Rank\$3 or Grad\$3 or Level) with Servic\$3) (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Group\$4 or Categor\$4 or Type or Class\$2) ) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:52

## EAST Search History

S66	96771	"726".clas. or "713".clas. or "380".clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:55
S67	37	S65 S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 15:55
S68	12	S67 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 16:40
S69	25	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/26 16:31
S70	25	S69 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 16:40

## EAST Search History

S71	905	(Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 19:10
S73	96771	"726".clas. or "713".clas. or "380". clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 19:13
S74	96771	S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 19:13
S75	550	S71 S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 19:14
S76	25	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/26 19:15

## EAST Search History

S77	25	S76 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 19:15
S78	8	S75 S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/26 19:16
S79	909	(Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 21:46
S80	96861	"726".clas. or "713".clas. or "380". clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 18:09
S81	96861	S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 18:09
S82	551	S79 S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 18:09



## EAST Search History

S83	25	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/27 18:09
S84	25	S83 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 18:09
S85	8	S82 S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 18:09
S86	17	S83 not S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 18:16
S87	17	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20020046337-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7010125-\$ or US-7028181-\$ or US-7039803-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/27 18:24

## EAST Search History

S88	15	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7028181-\$ or US-7039803-\$). did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/27 18:33
S89	2	"5717758".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 21:29
S90	16	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7028181-\$ or US-7039803-\$ or US-5717758-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/03/27 21:46
S91	4	S90 (Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/27 21:48